

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041621\
 Data File : VD068884.D
 Acq On : 16 Apr 2021 19:12
 Operator : VA/SY
 Sample : M2070-03
 Misc : 6.66G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JGD-3150-D3550-A

Quant Time: Apr 16 23:52:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

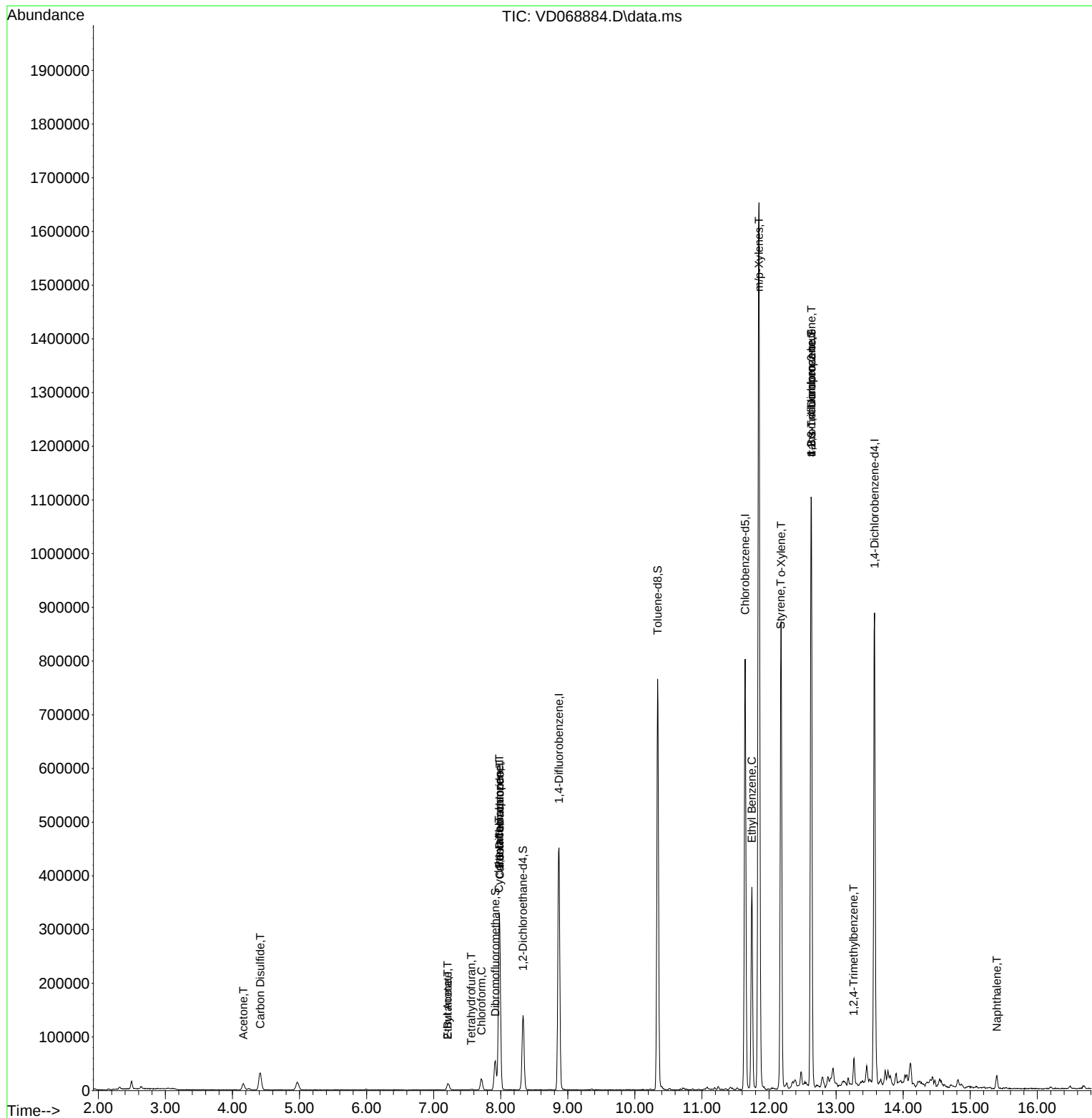
Internal Standards						
1) Pentafluorobenzene	7.979	168	249811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	428577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	477142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	249374	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	111145	42.10	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.20%		
35) Dibromofluoromethane	7.920	113	40623	14.57	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	29.14%#		
50) Toluene-d8	10.338	98	538766	51.23	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.46%		
62) 4-Bromofluorobenzene	12.632	95	225206	64.48	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	128.96%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.232	59	370	Below Cal	#	73
16) Acetone	4.162	43	19305	52.80	ug/l	93
17) Carbon Disulfide	4.415	76	70943	8.77	ug/l	97
20) Methylene Chloride	4.962	84	12615	Below Cal	#	81
25) 2-Butanone	7.209	43	18120	35.02	ug/l	99
29) Tetrahydrofuran	7.561	42	925	2.66	ug/l	# 38
30) Chloroform	7.714	83	20321	3.61	ug/l	96
31) Cyclohexane	7.973	56	4577	1.04	ug/l	# 19
36) 1,1-Dichloropropene	7.979	75	18238	4.20	ug/l	# 51
37) Ethyl Acetate	7.209	43	18120	14.22	ug/l	# 64
38) Carbon Tetrachloride	7.985	117	24480	5.70	ug/l	# 17
67) Ethyl Benzene	11.744	91	275070	15.38	ug/l	99
68) m/p-Xylenes	11.849	106	550740	79.80	ug/l	98
69) o-Xylene	12.179	106	248296	39.56	ug/l	100
70) Styrene	12.173	104	13177	1.20	ug/l	# 1
76) 1,2,3-Trichloropropane	12.632	75	115846	50.85	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.632	75	115846	118.01	ug/l	# 17
84) 1,2,4-Trimethylbenzene	13.261	105	28870	1.88	ug/l	100
95) Naphthalene	15.396	128	22565	2.79	ug/l	99

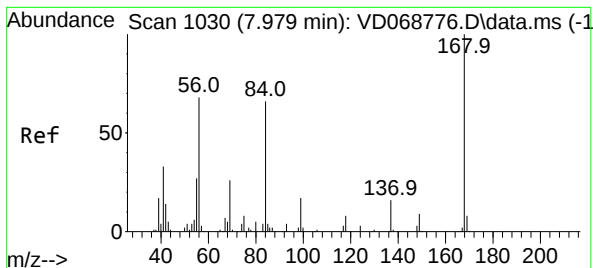
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 08 03:50:31 2021
Response via : Initial Calibration

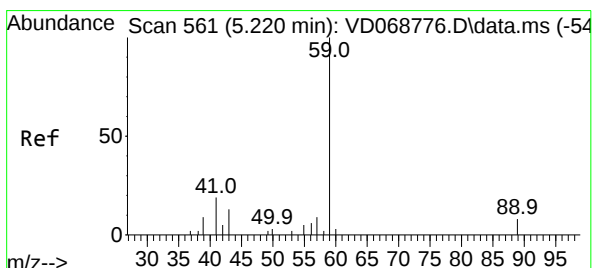
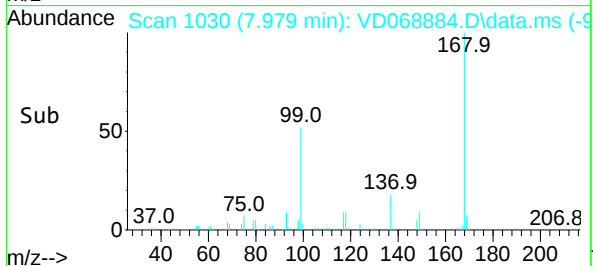
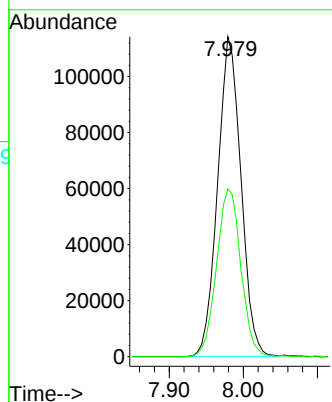
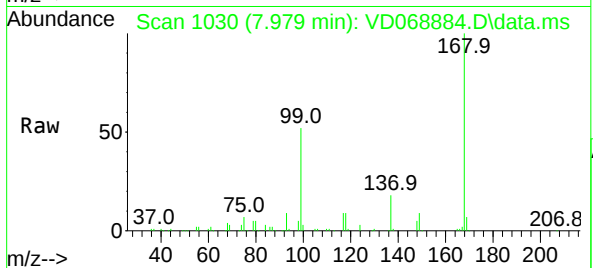




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

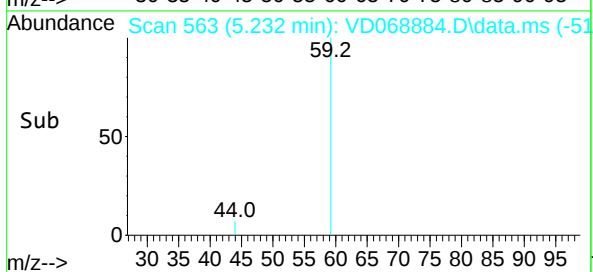
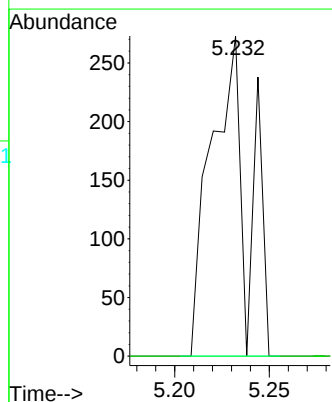
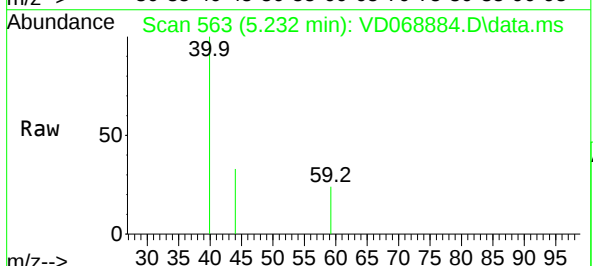
Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-A

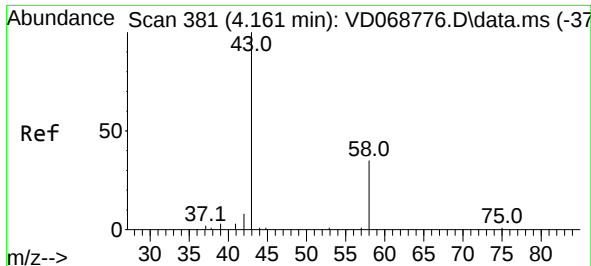
Tgt Ion:168 Resp: 249811
Ion Ratio Lower Upper
168 100
99 52.4 46.2 69.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.012 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

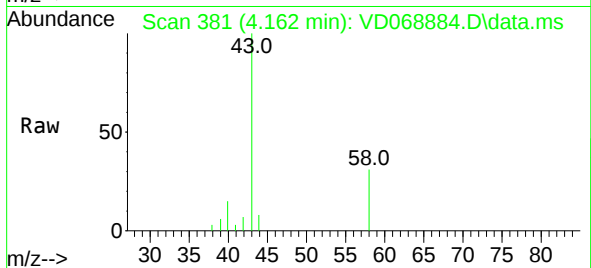
Tgt Ion: 59 Resp: 370
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



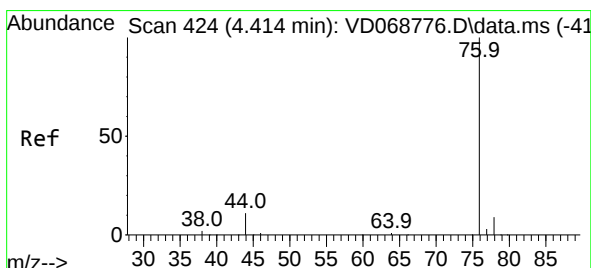
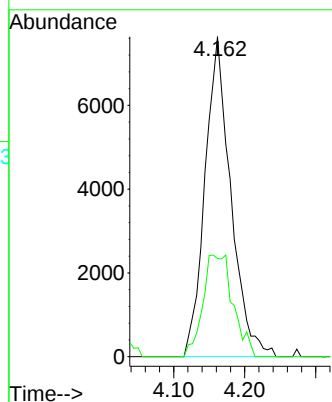
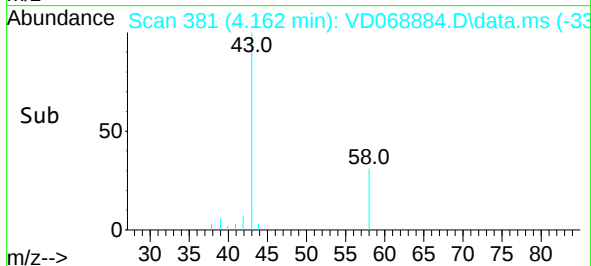


#16
Acetone
Concen: 52.80 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.001 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

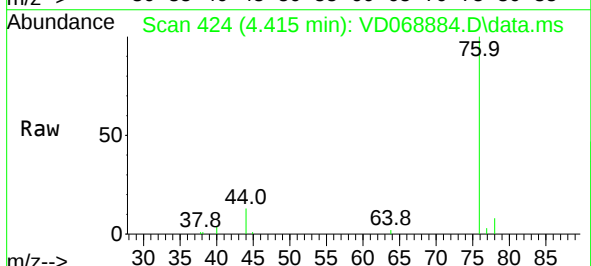
Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-A



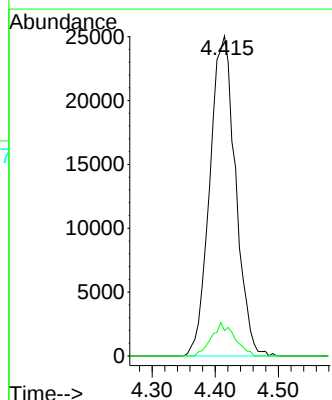
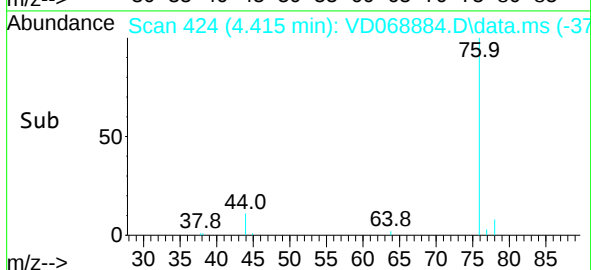
Tgt Ion: 43 Resp: 19305
Ion Ratio Lower Upper
43 100
58 30.7 28.0 42.0

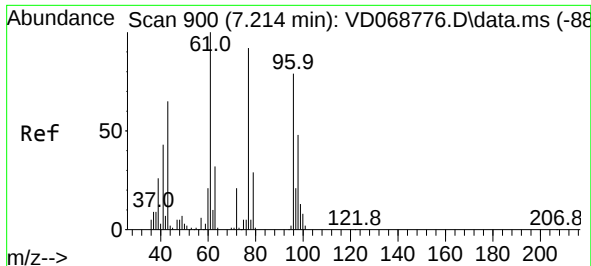


#17
Carbon Disulfide
Concen: 8.77 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.001 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12



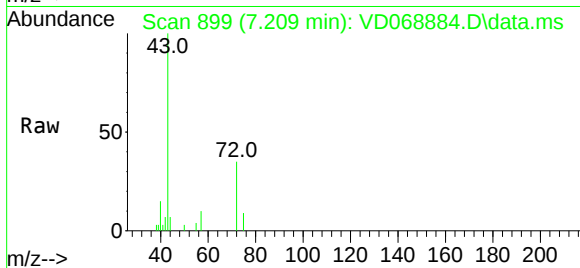
Tgt Ion: 76 Resp: 70943
Ion Ratio Lower Upper
76 100
78 8.0 7.3 10.9



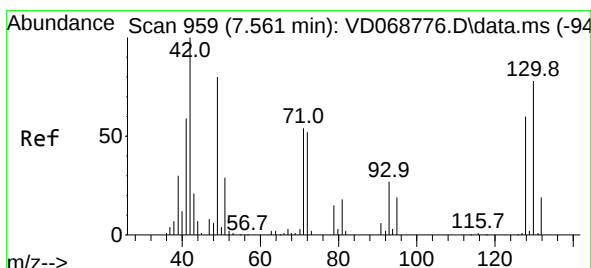
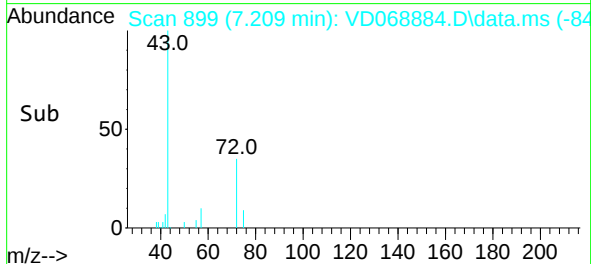
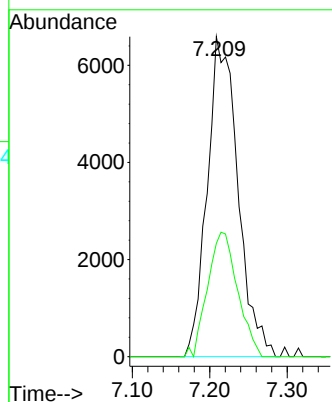


#25
2-Butanone
Concen: 35.02 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.005 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-A

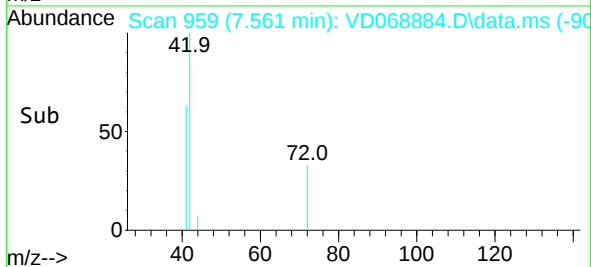
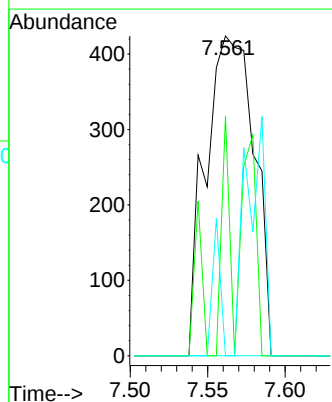
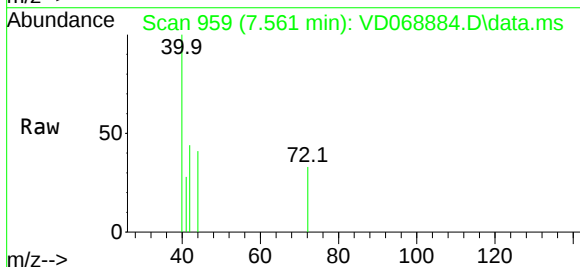


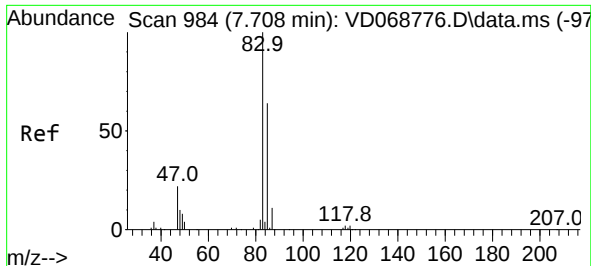
Tgt Ion: 43 Resp: 18120
Ion Ratio Lower Upper
43 100
72 35.4 28.6 43.0



#29
Tetrahydrofuran
Concen: 2.66 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.000 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

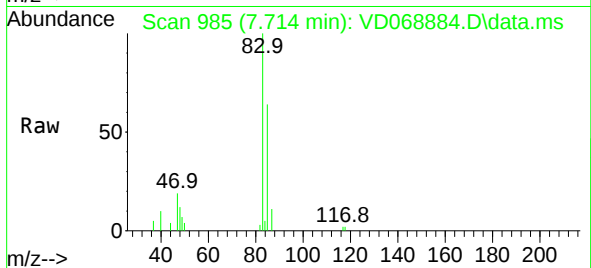
Tgt Ion: 42 Resp: 925
Ion Ratio Lower Upper
42 100
72 12.1 45.2 67.8#
71 6.9 40.8 61.2#



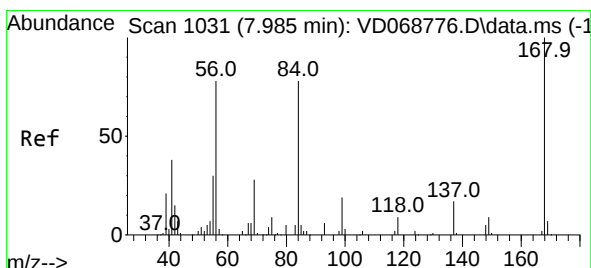
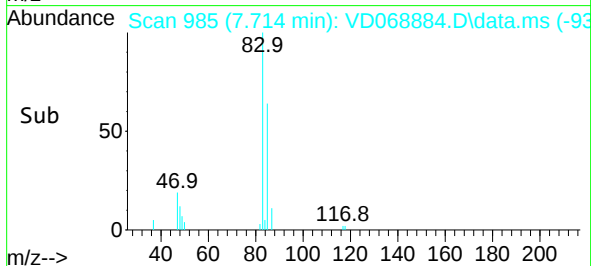
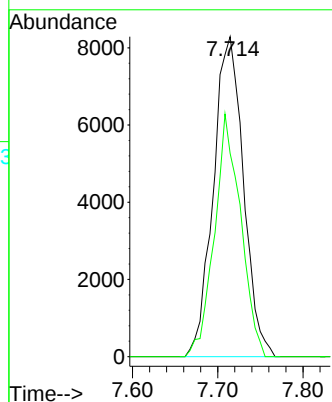


#30
Chloroform
Concen: 3.61 ug/l
RT: 7.714 min Scan# 985
Delta R.T. 0.006 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-A

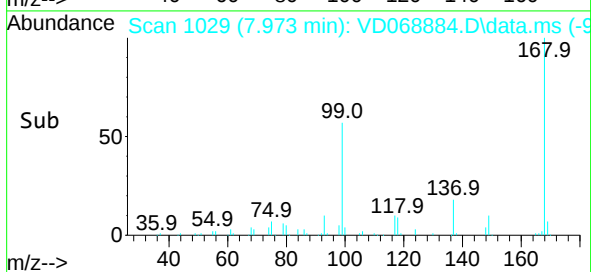
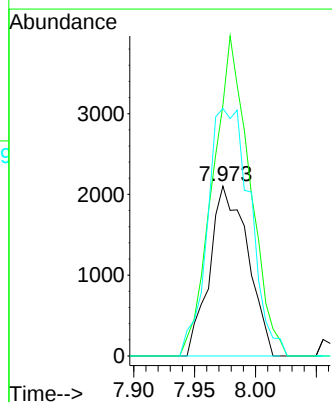
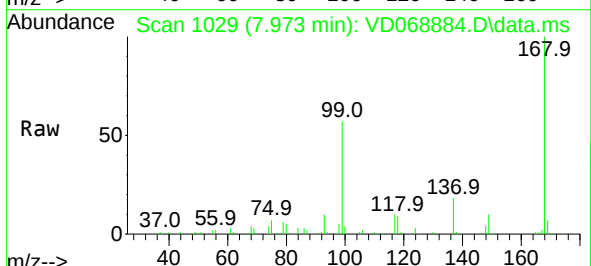


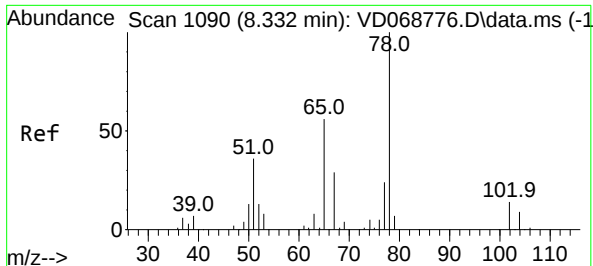
Tgt Ion: 83 Resp: 20321
Ion Ratio Lower Upper
83 100
85 63.5 53.3 79.9



#31
Cyclohexane
Concen: 1.04 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

Tgt Ion: 56 Resp: 4577
Ion Ratio Lower Upper
56 100
69 147.8 30.0 45.0#
84 145.8 82.0 123.0#

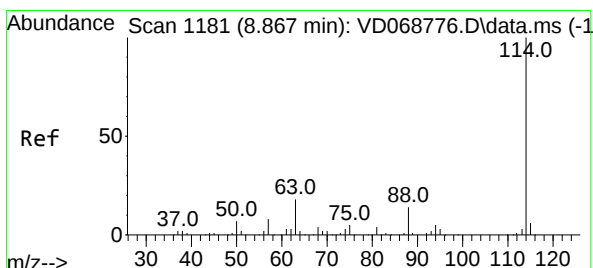
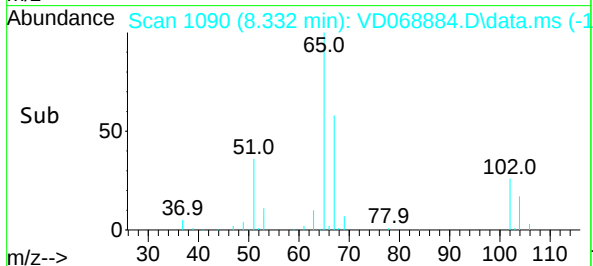
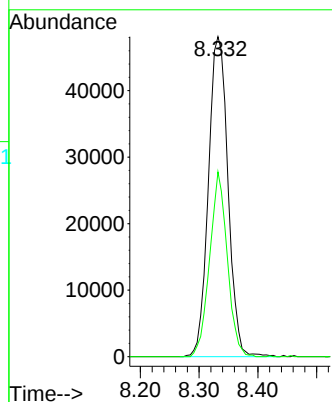
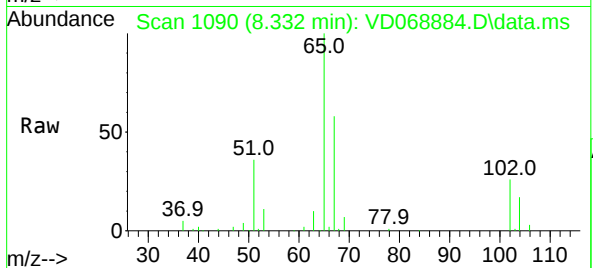




#33
1,2-Dichloroethane-d4
Concen: 42.10 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

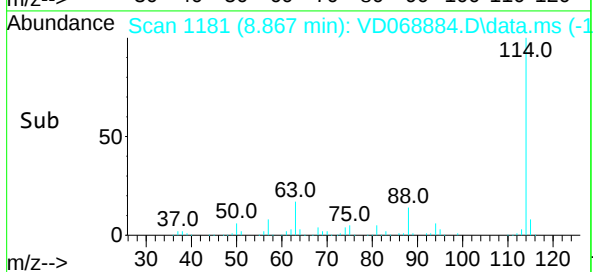
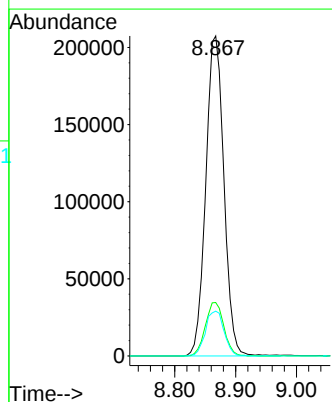
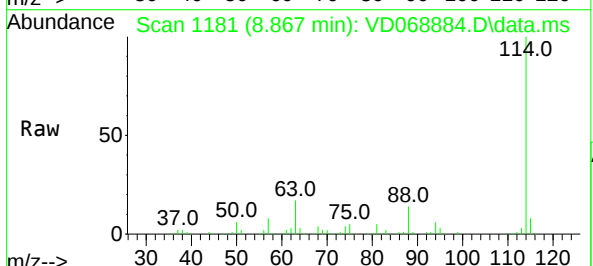
Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-A

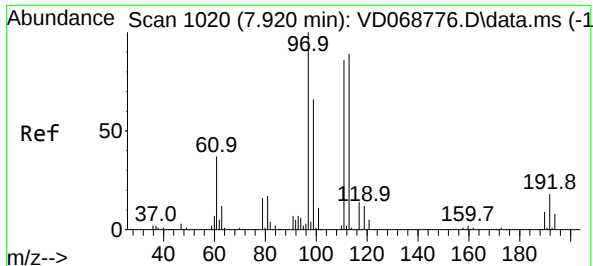
Tgt Ion: 65 Resp: 111145
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

Tgt Ion: 114 Resp: 428577
Ion Ratio Lower Upper
114 100
63 16.7 0.0 38.2
88 14.0 0.0 29.4





#35

Dibromofluoromethane

Concen: 14.57 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068884.D

Acq: 16 Apr 2021 19:12

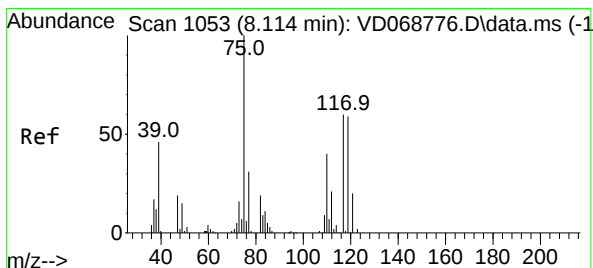
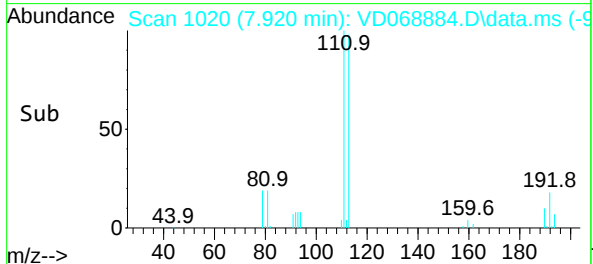
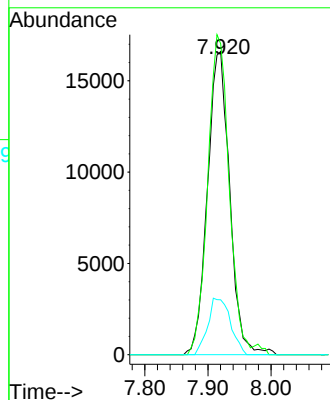
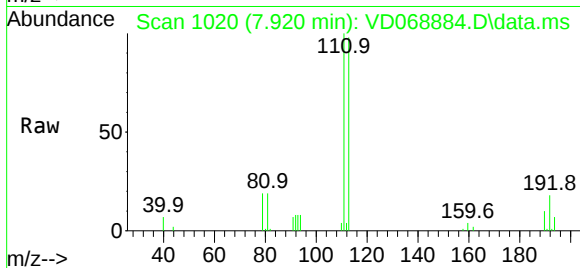
Tgt Ion:113 Resp: 40623

Ion Ratio Lower Upper

113 100

111 101.7 82.5 123.7

192 18.9 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.20 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD068884.D

Acq: 16 Apr 2021 19:12

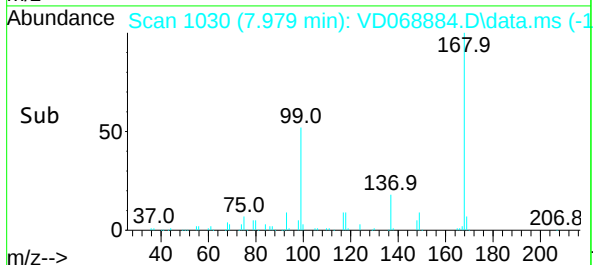
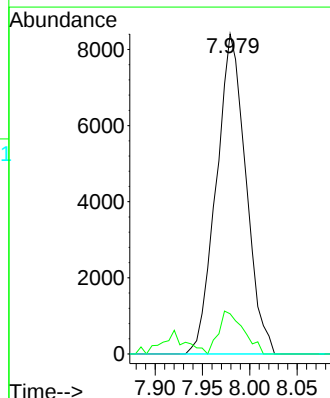
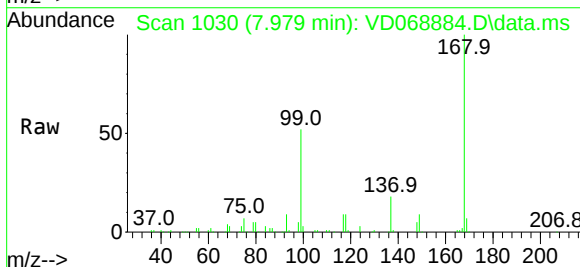
Tgt Ion: 75 Resp: 18238

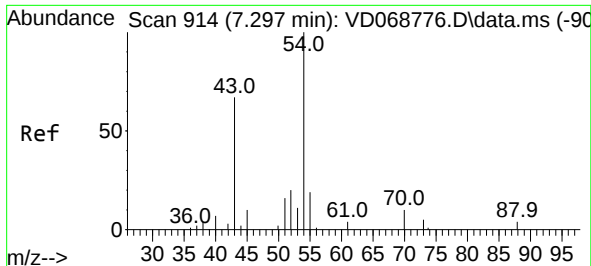
Ion Ratio Lower Upper

75 100

110 11.2 18.1 54.4#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 14.22 ug/l

RT: 7.209 min Scan# 899

Delta R.T. -0.088 min

Lab File: VD068884.D

Acq: 16 Apr 2021 19:12

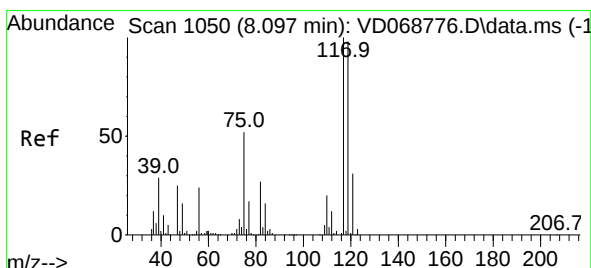
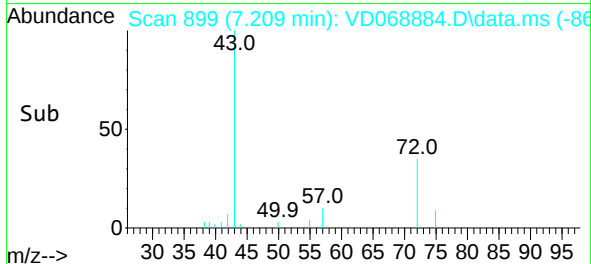
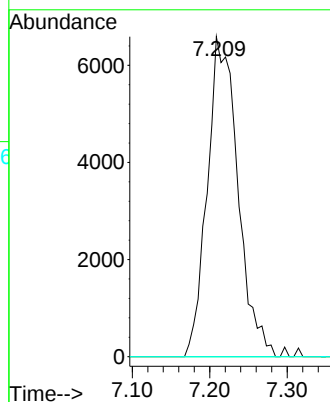
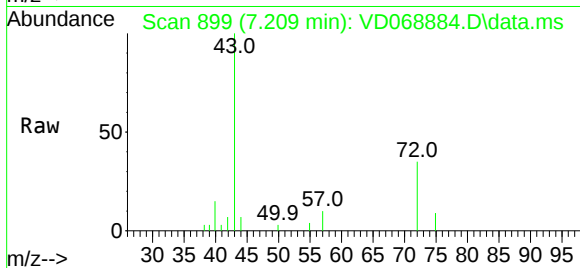
Instrument :

MSVOA_D

ClientSampleId :

JGD-3150-D3550-A

Tgt Ion:	43	Resp:	18120
Ion	Ratio	Lower	Upper
43	100		
61	0.0	14.2	21.4#
70	0.0	9.4	14.0#



#38

Carbon Tetrachloride

Concen: 5.70 ug/l

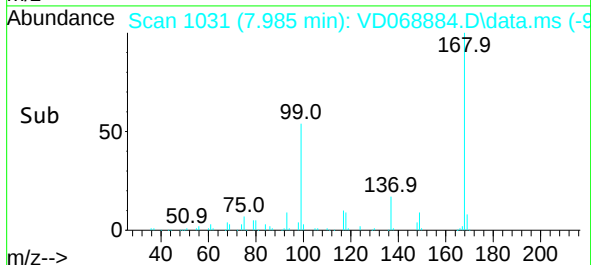
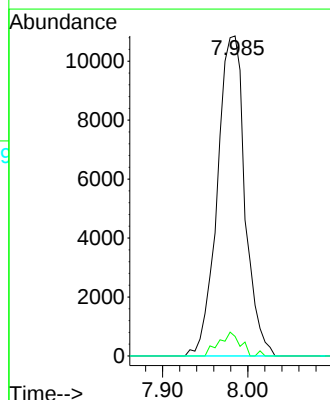
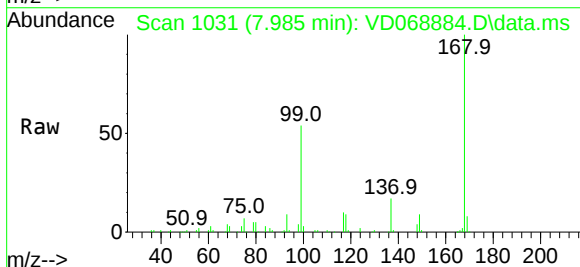
RT: 7.985 min Scan# 1031

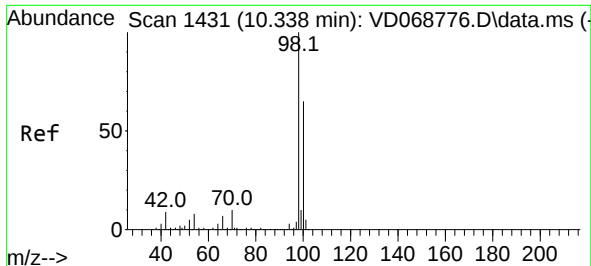
Delta R.T. -0.112 min

Lab File: VD068884.D

Acq: 16 Apr 2021 19:12

Tgt Ion:	117	Resp:	24480
Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.6	115.0#
121	0.0	26.1	39.1#

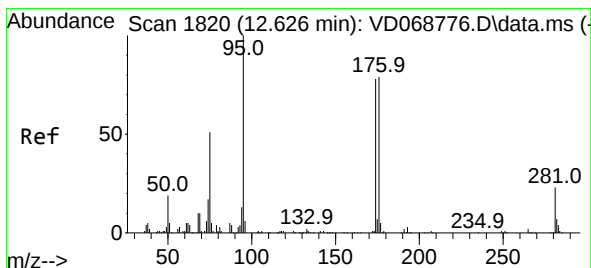
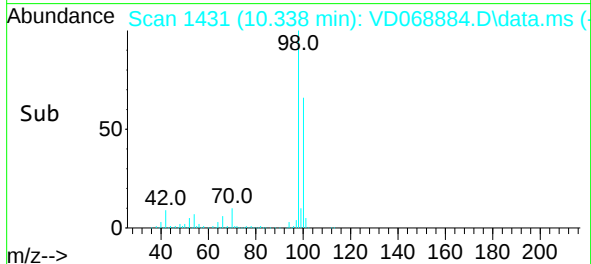
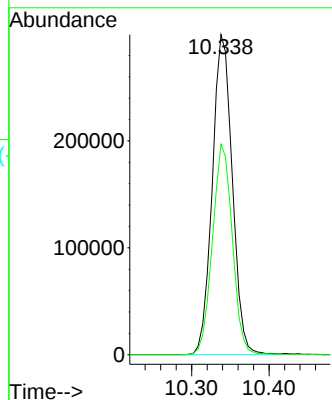
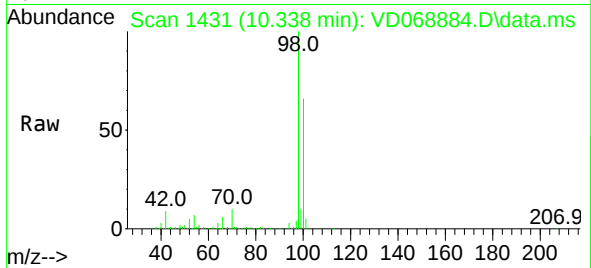




#50
Toluene-d8
Concen: 51.23 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

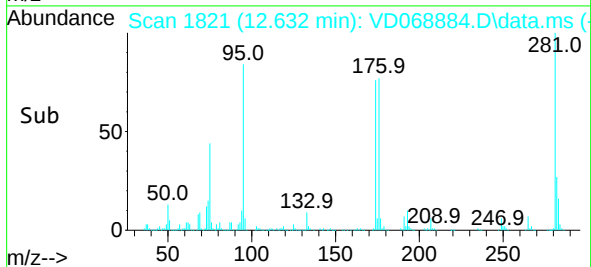
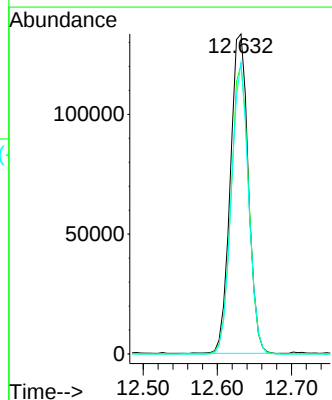
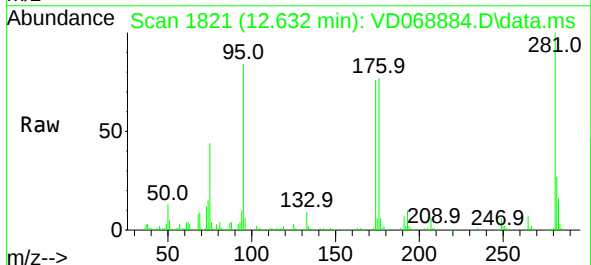
Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-A

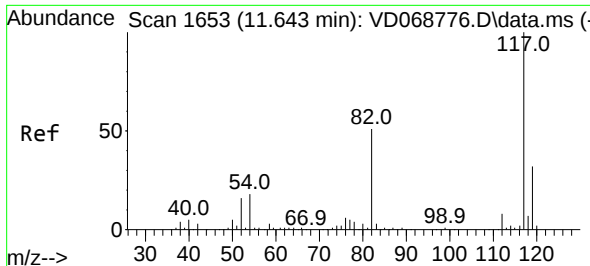
Tgt Ion: 98 Resp: 538766
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 64.48 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

Tgt Ion: 95 Resp: 225206
Ion Ratio Lower Upper
95 100
174 88.6 0.0 168.0
176 87.1 0.0 160.2

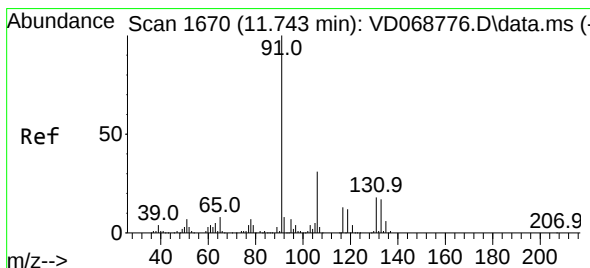
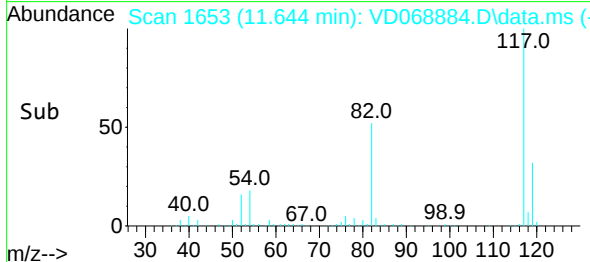
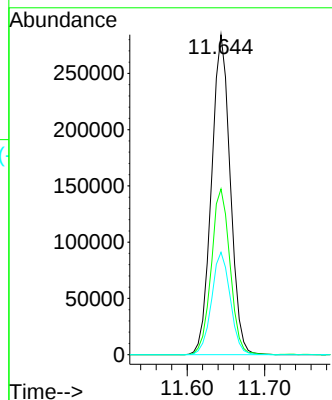
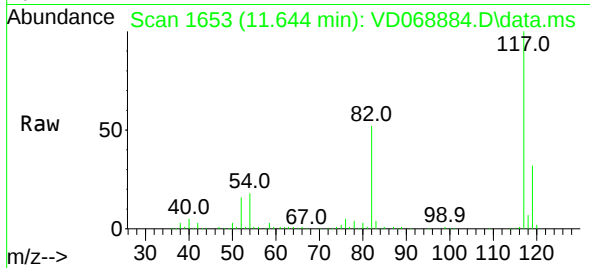




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

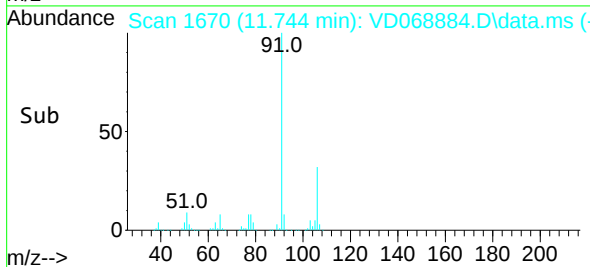
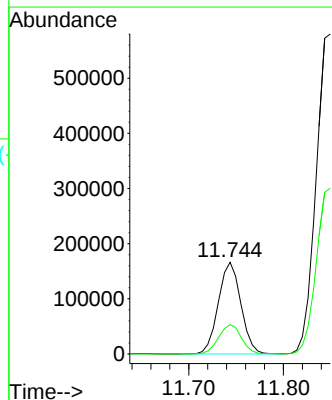
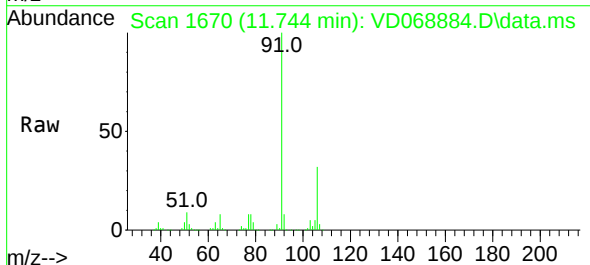
Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-A

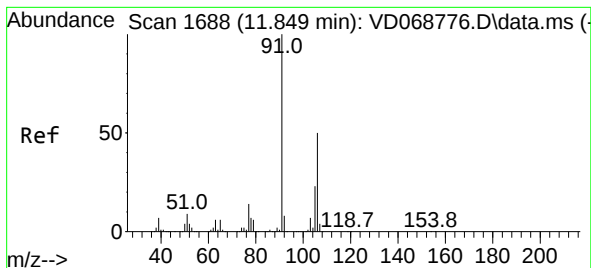
Tgt Ion:117 Resp: 477142
Ion Ratio Lower Upper
117 100
82 51.8 43.5 65.3
119 32.0 26.7 40.1



#67
Ethyl Benzene
Concen: 15.38 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.001 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

Tgt Ion: 91 Resp: 275070
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7

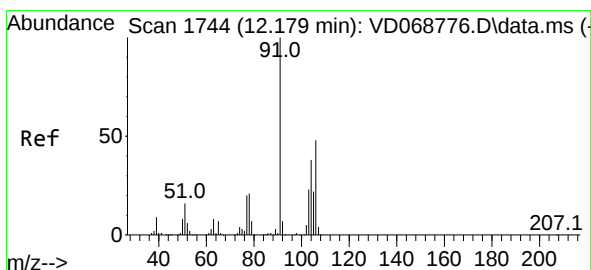
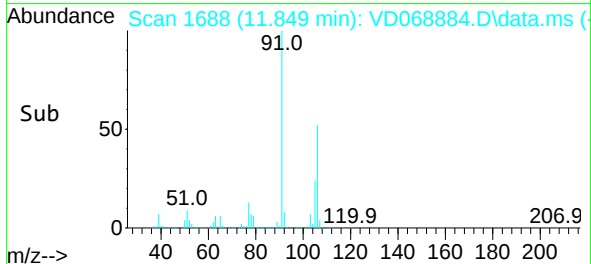
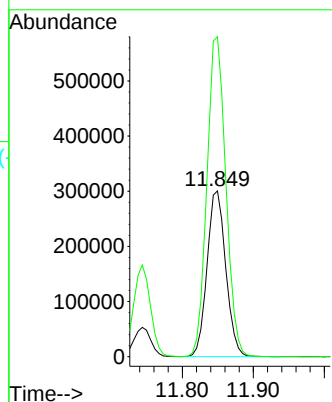
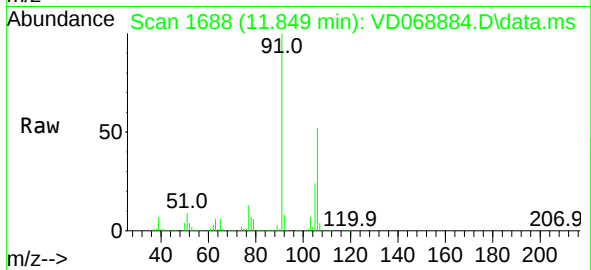




#68
m/p-Xylenes
Concen: 79.80 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

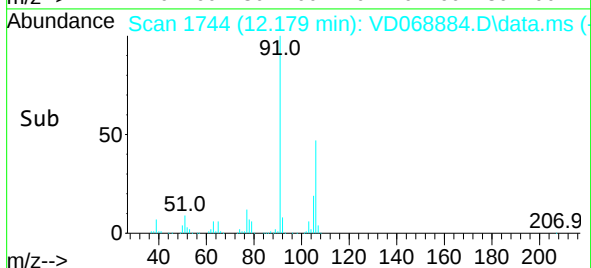
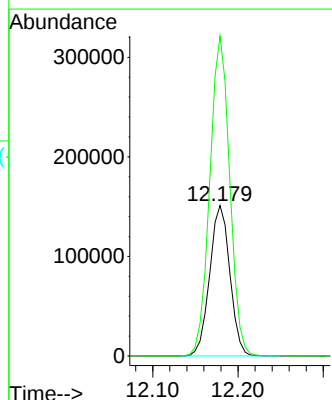
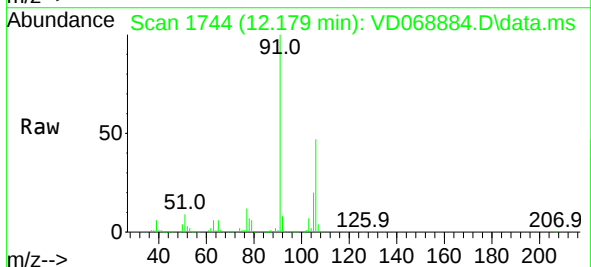
Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-A

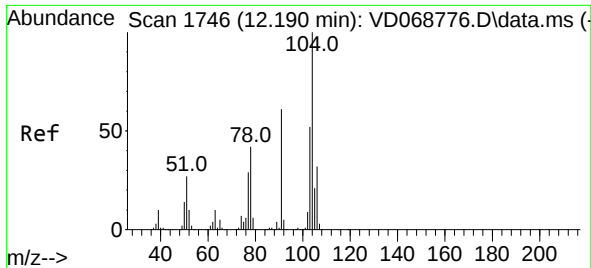
Tgt Ion:106 Resp: 550740
Ion Ratio Lower Upper
106 100
91 195.4 158.6 238.0



#69
o-Xylene
Concen: 39.56 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

Tgt Ion:106 Resp: 248296
Ion Ratio Lower Upper
106 100
91 210.3 105.0 315.0

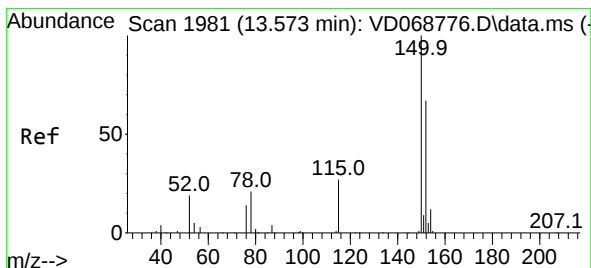
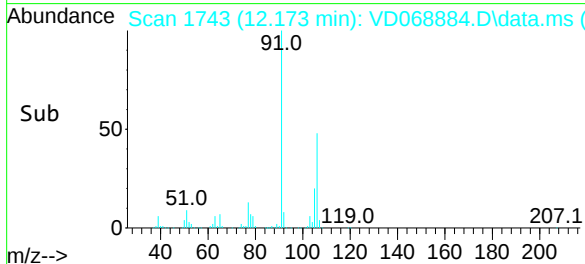
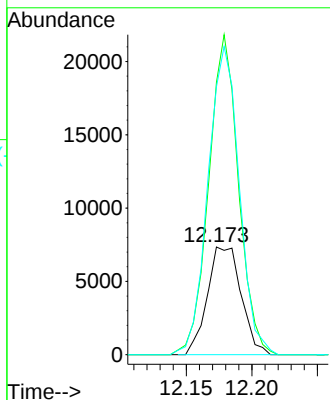
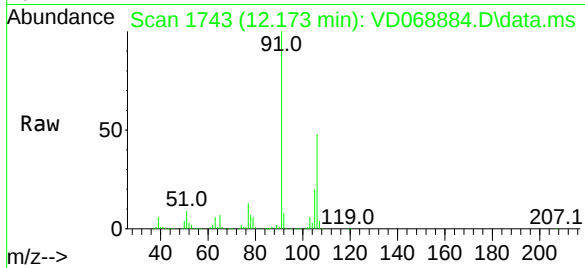




#70
Styrene
Concen: 1.20 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.017 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

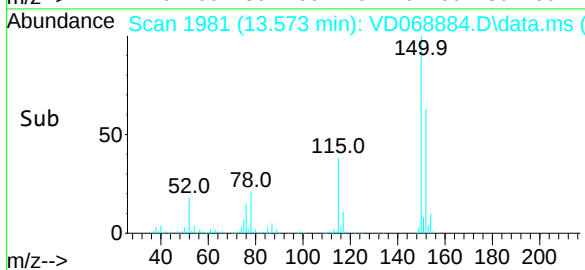
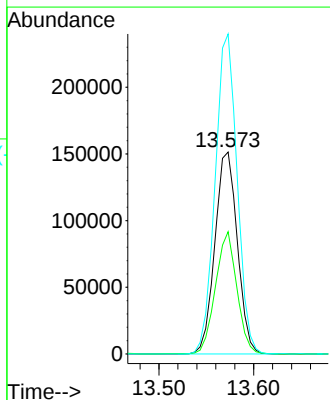
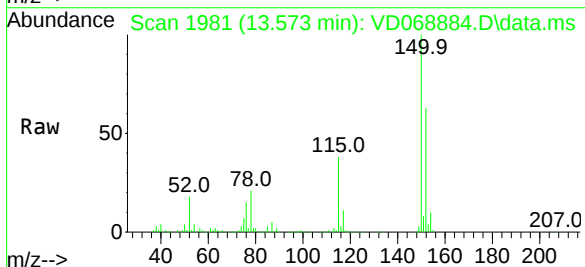
Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-A

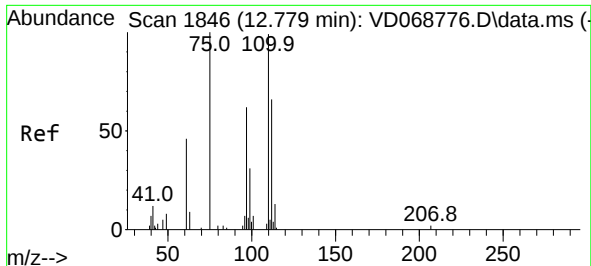
Tgt Ion:104 Resp: 13177
Ion Ratio Lower Upper
104 100
78 261.6 36.9 55.3#
103 264.2 44.3 66.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

Tgt Ion:152 Resp: 249374
Ion Ratio Lower Upper
152 100
115 57.7 29.3 87.8
150 155.1 0.0 347.6

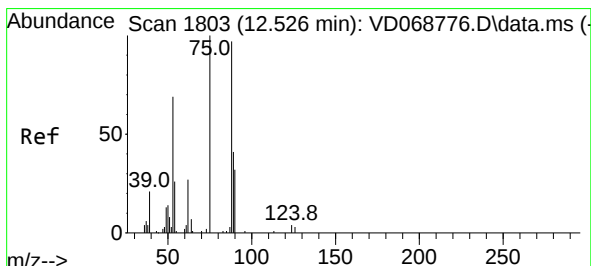
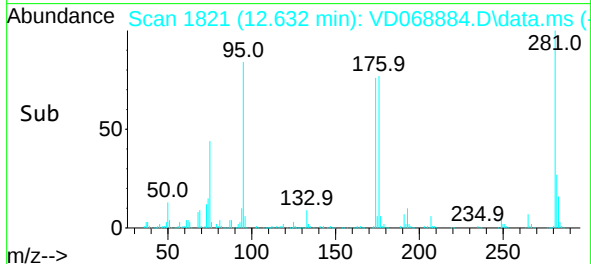
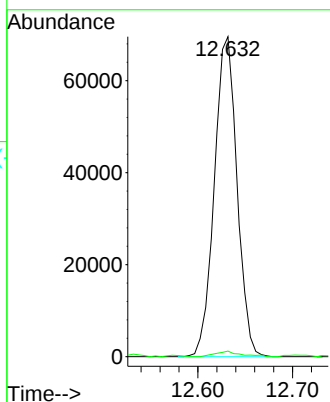
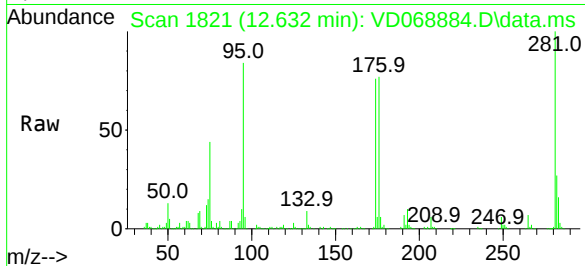




#76
1,2,3-Trichloropropane
Concen: 50.85 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

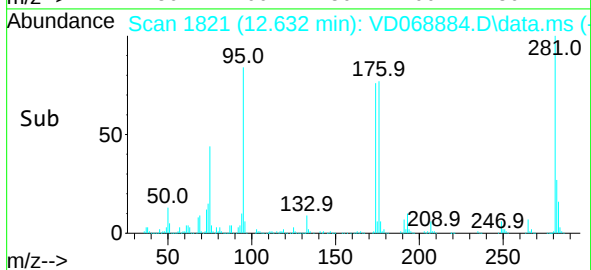
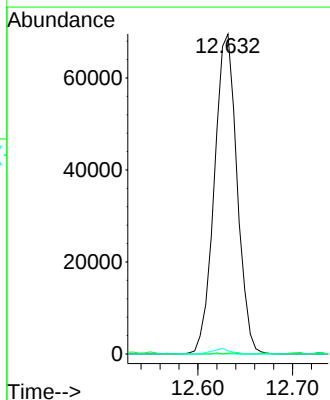
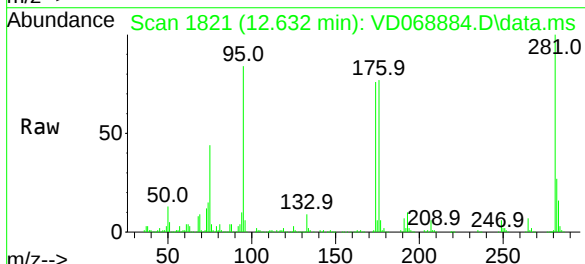
Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-A

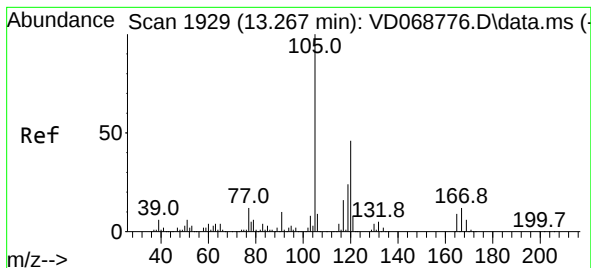
Tgt Ion: 75 Resp: 115846
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.01 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

Tgt Ion: 75 Resp: 115846
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 1.3 36.6 54.8#

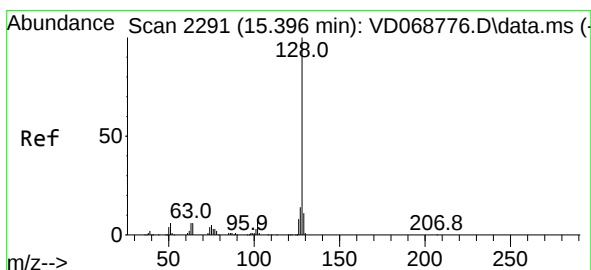
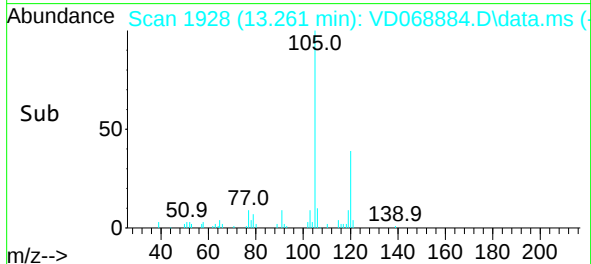
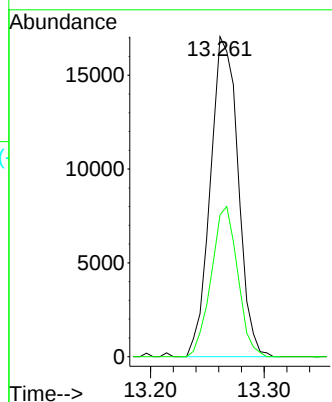
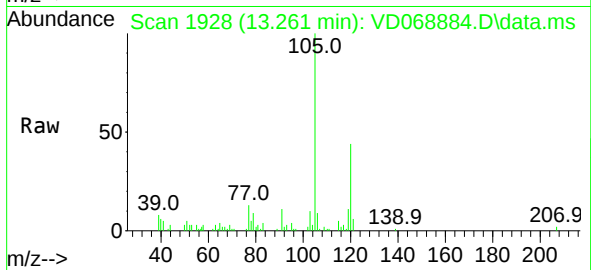




#84
1,2,4-Trimethylbenzene
Concen: 1.88 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.006 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-A

Tgt Ion:105 Resp: 28870
Ion Ratio Lower Upper
105 100
120 44.8 22.6 67.7



#95
Naphthalene
Concen: 2.79 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068884.D
Acq: 16 Apr 2021 19:12

Tgt Ion:128 Resp: 22565
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.9 8.9 13.3

